



Hydrologist I

Salary Group: B17

Class Code: 2456

<u>CLASS TITLE</u>	<u>CLASS CODE</u>	<u>SALARY GROUP</u>	<u>SALARY RANGE</u>
HYDROLOGIST I	2456	B17	\$36,976 - \$58,399
HYDROLOGIST II	2460	B19	\$42,244 - \$68,960
HYDROLOGIST III	2464	B21	\$48,278 - \$78,953
HYDROLOGIST IV	2465	B23	\$55,184 - \$90,393
HYDROLOGIST V	2466	B25	\$63,104 - \$103,491

GENERAL DESCRIPTION

Performs routine (journey-level) hydrological work. Work involves collecting and analyzing data and samples, preparing reports, conducting inspections and ecological or environmental impact studies, and ensuring compliance with applicable statutes and regulations. Works under moderate supervision, with limited latitude for the use of initiative and independent judgment.

EXAMPLES OF WORK PERFORMED

Collects and analyzes water samples as part of field investigations or to validate data from automatic monitors.

Collects chemical, physical, biological, and hydrological data, analyzes findings, assists with data calculations and the development of recommendations for programs or projects, and ecological risk assessments.

Conducts inspections for compliance with laws, regulations, and specifications.

Studies and documents quantities, distribution, disposition, and development of underground and surface waters.

Researches laws and policies and delivers responses to the public and governmental agencies.

Maintains and prepares records and reports and assists with presenting technical evaluations and plans.

Operates and maintains equipment used in the collection of data for water surveys and tests.

Assists in the analysis and interpretation of environmental data to determine existing conditions, long-term trends, compliance with quality assurance requirements and permitting standards, and environmental impact.

Assists in conducting scientific hydrogeological investigations to ensure that accurate and appropriate information is available for use in water resource management decisions.

Assists in studying public water supply issues, including flood and drought risks, water quality, wastewater, and impacts on wetland habitats.

Assists with implementing technical projects and design preparation, plans, estimates, and calculations.

Performs related work as assigned.

GENERAL QUALIFICATION GUIDELINES

EXPERIENCE AND EDUCATION

Experience in hydrological work. Graduation from an accredited four-year college or university with major coursework in hydrology or a related field is generally preferred. Experience and education may be substituted for one another.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of hydrological principles, techniques, and procedures; of mathematics and statistics; and of the practical application of hydrology, water quality, and water management technologies.

Skill in scientific data management, in collecting and assessing hydrological data, in applying modeling and statistical procedures, in the use of a computer and applicable software, and in the use of standard tools of the profession.

Ability to plan projects, to conduct inspections, to apply hydrological concepts, and to communicate effectively.